GOVERNMENT OF INDIA
CHEMICALS AND FERTILIZERS
LOK SABHA

UNSTARRED QUESTION NO:3634
ANSWERED ON:12.12.2000
COST EFFECTIVE TECHNOLOGY FOR NITROGEN BASED FERTILIZERS
SADASHIVRAO DADOBA MANDLIK

Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

(a) the availability of cost effective technology for manufacturing nitrogen based fertilizers;

(b) the details of the present technology in use for manufacturing the same;

(c) the bottlenecks in shifting over the latest technology; and

(d) the measures taken in this regard?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI SATYA BRATA MOOKHERJEE)

(a): While there are a number of proven technologies for manufacturing nitrogen based fertilizers, their cost effectiveness depends on several factors including type and quality of feedstock used in the process.

(b): Some of the urea manufacturing technologies that Indian plants have adopted are:

i) TEC Process
ii) CO2 Stripping Process
iii) Ammonia Stripping Process

(c) & (d): Fertilizer companies are free to choose the latest technology for setting up new ammonia-urea plants as well as for revamp/modernisation of existing plants. Benefits of import of goods at concessional rates of custom duty and deemed exports are available to fertilizer units for this purpose. Although, the existing plants are taking advantage of the latest technological advancements for revamp/modernisation, a total shift to latest technology may not be feasible due to constraints posed by the technology already in use and the costs involved.